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LOGINID:SSPTASXB1612

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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	APR 02	CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
NEWS 3	APR 02	PATDPAFULL: Application and priority number formats enhanced
NEWS 4	APR 02	DWPI: New display format ALLSTR available
NEWS 5	APR 02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
NEWS 6	APR 02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
NEWS 7	APR 07	CA/CAplus CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields
NEWS 8	APR 07	50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus
NEWS 9	APR 07	MEDLINE Coverage Is Extended Back to 1947
NEWS 10	JUN 16	WPI First View (File WPIFV) will no longer be available after July 30, 2010
NEWS 11	JUN 18	DWPI: New coverage - French Granted Patents
NEWS 12	JUN 18	CAS and FIZ Karlsruhe announce plans for a new STN platform
NEWS 13	JUN 18	IPC codes have been added to the INSPEC backfile (1969-2009)
NEWS 14	JUN 21	Removal of Pre-IPC 8 data fields streamline displays in CA/CAplus, CASREACT,and MARPAT
NEWS 15	JUN 21	Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN
NEWS 16	JUN 28	Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol
NEWS 17	JUN 29	Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN
NEWS 18	JUL 19	Enhancement of citation information in INPADOC databases provides new, more efficient competitor analyses

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 NEWS 19  JUL 26  CAS coverage of global patent authorities has
                  expanded to 61 with the addition of Costa Rica

 NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
          AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

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FILE 'HOME' ENTERED AT 12:45:46 ON 23 AUG 2010

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.44       0.44

FILE 'REGISTRY' ENTERED AT 12:46:39 ON 23 AUG 2010
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STRUCTURE FILE UPDATES:   22 AUG 2010  HIGHEST RN 1237597-11-3
DICTIONARY FILE UPDATES:  22 AUG 2010  HIGHEST RN 1237597-11-3

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http://www.cas.org/support/stngen/stndoc/properties.html

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Uploading C:\Program Files\STNEXP\Queries\10587857 B.str
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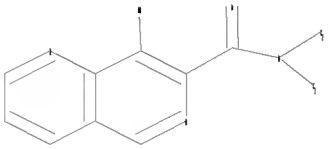

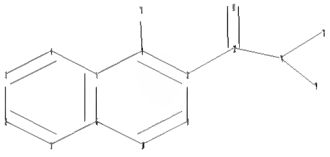

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11 12 13 14 18 19
ring nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
7-11 8-12 12-13 12-14 14-18 14-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10
exact/norm bonds :
7-11 12-13 12-14 14-18 14-19
exact bonds :

8-12
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10

G1:H,Ak

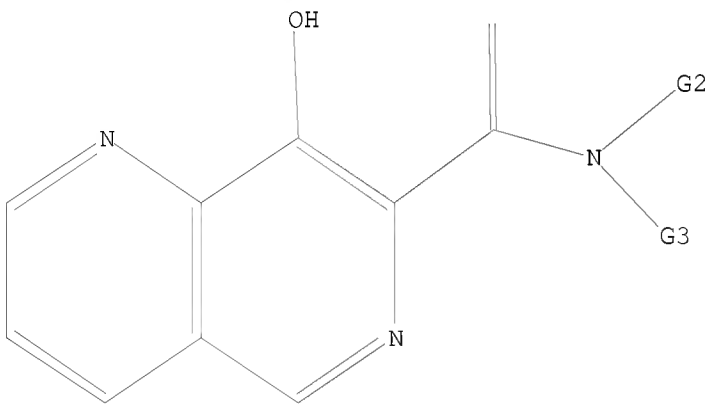
G2:C,H

G3:C,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS 13:CLASS 14:CLASS 18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 H,Ak

G2 C,H

G3 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
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SAMPLE SCREEN SEARCH COMPLETED - 52 TO ITERATE

100.0% PROCESSED 52 ITERATIONS 36 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 608 TO 1472
PROJECTED ANSWERS: 360 TO 1080

L2 36 SEA SSS SAM L1

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FULL SCREEN SEARCH COMPLETED -     1051 TO ITERATE

100.0% PROCESSED     1051 ITERATIONS                                633 ANSWERS
SEARCH TIME: 00.00.01

L3          633 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   192.03     192.47

FILE 'CAPLUS' ENTERED AT 12:47:36 ON 23 AUG 2010
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FILE COVERS 1907 - 23 Aug 2010  VOL 153 ISS 9
FILE LAST UPDATED: 20 Aug 2010  (20100820/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Jun 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Jun 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l3
L4          109 L3

=> s l4 and PY<2005
      25158915 PY<2005
L5          18 L4 AND PY<2005

=> d l5 ibib fhitstr

L5   ANSWER 1 OF 18  CAPLUS  COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER:         2004:1016008  CAPLUS
DOCUMENT NUMBER:          142:6507
TITLE:                    Preparation of naphthyridine integrase inhibitors
INVENTOR(S):              Johns, Brian A.
PATENT ASSIGNEE(S):       Smithkline Beecham Corporation, USA
SOURCE:                   PCT Int. Appl., 154 pp.
                          CODEN: PIXXD2
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DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004101512	A2	20041125	WO 2004-US14814	20040512 <--
WO 2004101512	A3	20050127		
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1622615	A2	20060208	EP 2004-751959	20040512
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2006528694	T	20061221	JP 2006-532973	20040512
US 20070142365	A1	20070621	US 2005-556311	20051110

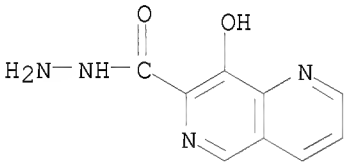
PRIORITY APPLN. INFO.: US 2003-470059P P 20030513
WO 2004-US14814 W 20040512

OTHER SOURCE(S): MARPAT 142:6507

IT 797788-27-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of naphthyridine integrase inhibitors for treating HIV infection)

RN 797788-27-3 CAPLUS

CN 1,6-Naphthyridine-7-carboxylic acid, 8-hydroxy-, hydrazide (CA INDEX NAME)



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l5 2-18 ibib fhitstr

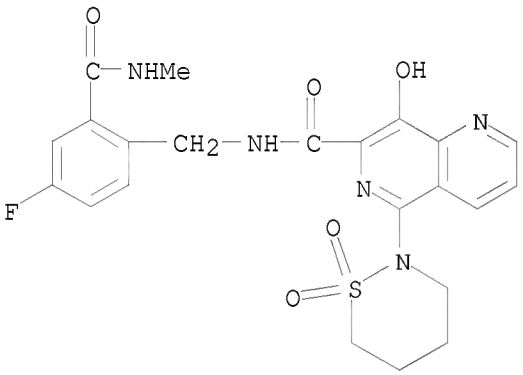
L5 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:936115 CAPLUS
DOCUMENT NUMBER: 141:395539
TITLE: A preparation of 2-aminomethyl-5-fluorobenzamide derivatives, useful as intermediate in synthesis of HIV integrase inhibitors
INVENTOR(S): Lee, Jaemoon; Zhong, Yong-Li
PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 24 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20040220273	A1	20041104	US 2004-797496		20040310 <--
PRIORITY APPLN. INFO.:			US 2003-454260P	P	20030312

OTHER SOURCE(S): CASREACT 141:395539; MARPAT 141:395539
IT 787621-07-2P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of HIV integrase inhibitor naphthyridinecarboxylic acid amide derivative via amidation of naphthyridinecarboxylic acid derivative by (aminomethyl)fluorobenzamide derivative)
RN 787621-07-2 CAPLUS
CN 1,6-Naphthyridine-7-carboxamide, N-[[4-fluoro-2-[(methylamino)carbonyl]phenyl]methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

L5 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:780495 CAPLUS
DOCUMENT NUMBER: 141:296002
TITLE: Preparation of 5-(1,1-dioxido-1,2-thiazinan-2-yl)-N-[4-fluoro-2-[(methylamino)carbonyl]benzyl]-8-hydroxy-1,6-naphthyridine-7-carboxamide potassium salt as an HIV integrase inhibitor
INVENTOR(S): Palucki, Michael; Askin, David; Angelico, Vincent J.; Wenslow, Robert M., Jr.
PATENT ASSIGNEE(S): Merck & Co. Inc., USA
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004080402	A2	20040923	WO 2004-US6968	20040308 <--
WO 2004080402	A3	20050506		
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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20060211687	A1	20060921	US 2005-548781	20050912
PRIORITY APPLN. INFO.:			US 2003-453896P P	20030312
			WO 2004-US6968 W	20040308

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

IT 761452-50-0P

RL: IMF (Industrial manufacture); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(X-ray diffraction anal.; preparation of 5-(1,1-dioxido-1,2-thiazinan-2-yl)-N-[4-fluoro-2-[(methylamino)carbonyl]benzyl]-8-hydroxy-1,6-naphthyridine-7-carboxamide potassium salt as HIV integrase inhibitor)

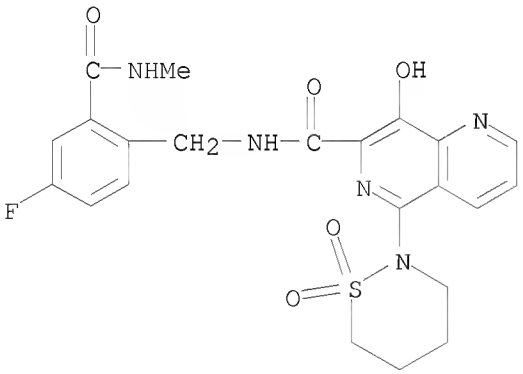
RN 761452-50-0 CAPLUS

CN 1,6-Naphthyridine-7-carboxamide, N-[[4-fluoro-2-[(methylamino)carbonyl]phenyl]methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)-, monopotassium salt, compd. with ethanol, hydrate (9CI) (CA INDEX NAME)

CM 1

CRN 606080-42-6

CMF C22 H22 F N5 O5 S



CM 2

CRN 64-17-5

CMF C2 H6 O

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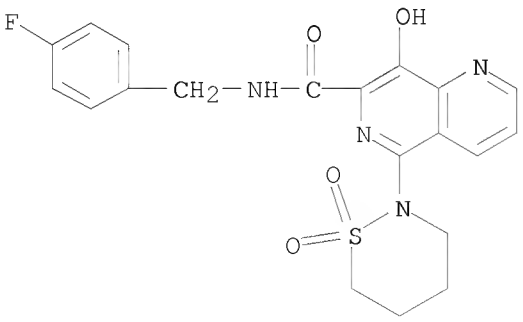
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:686348 CAPLUS
DOCUMENT NUMBER: 141:235759
TITLE: A naphthyridine carboxamide provides evidence for discordant resistance between mechanistically identical inhibitors of HIV-1 integrase
AUTHOR(S): Hazuda, Daria J.; Anthony, Neville J.; Gomez, Robert P.; Jolly, Samson M.; Wai, John S.; Zhuang, Linghang; Fisher, Thorsten E.; Embrey, Mark; Guare, James P., Jr.; Egbertson, Melissa S.; Vacca, Joseph P.; Huff, Joel R.; Felock, Peter J.; Witmer, Marc V.; Stillmock, Kara A.; Danovich, Robert; Grobler, Jay; Miller, Michael D.; Espeseth, Amy S.; Jin, Lixia; Chen, I-Wu; Lin, Jiunn H.; Kassahun, Kelem; Ellis, Joan D.; Wong, Bradley K.; Xu, Wei; Pearson, Paul G.; Schleif, William A.; Cortese, Riccardo; Emini, Emilio; Summa, Vincenzo; Holloway, M. Katharine; Young, Steven D.
CORPORATE SOURCE: Department of Biological Chemistry, Merck Research Laboratories, West Point, PA, 19486, USA
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (2004), 101(31), 11233-11238
CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER: National Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 410544-95-5, L-870810
RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(naphthyridine carboxamide provides evidence for discordant resistance between mechanistically identical inhibitors of HIV-1 integrase in relation to pharmacokinetic properties)
RN 410544-95-5 CAPLUS
CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)- (CA INDEX NAME)



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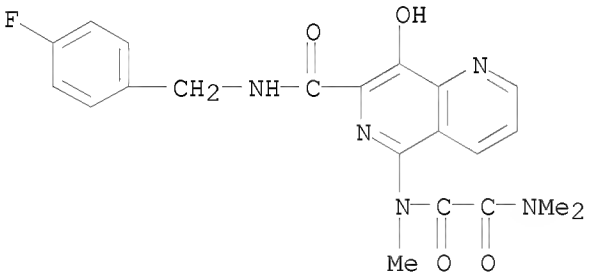
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:587781 CAPLUS
DOCUMENT NUMBER: 141:253713
TITLE: Integrase Inhibitors and Cellular Immunity Suppress Retroviral Replication in Rhesus Macaques
AUTHOR(S): Hazuda, Daria J.; Young, Steven D.; Guare, James P.; Anthony, Neville J.; Gomez, Robert P.; Wai, John S.; Vacca, Joseph P.; Handt, Larry; Motzel, Sherri L.; Klein, Hilton J.; Dornadula, Geethanjali; Danovich, Robert M.; Witmer, Marc V.; Wilson, Keith A. A.; Tussey, Lynda; Schleif, William A.; Gabryelski, Lori S.; Jin, Lixia; Miller, Michael D.; Casimiro, Danilo R.; Emini, Emilio A.; Shiver, John W.
CORPORATE SOURCE: Dep. Biological Chem., Merck Res. Laboratories, West Poing, PA, 19486, USA
SOURCE: Science (Washington, DC, United States) (2004), 305(5683), 528-532
CODEN: SCIEAS; ISSN: 0036-8075
PUBLISHER: American Association for the Advancement of Science
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 410545-90-3, L 870812
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(integrase inhibitors and cellular immunity suppress retroviral replication in rhesus macaques)
RN 410545-90-3 CAPLUS
CN Ethanediamide, N1-[7-[[[(4-fluorophenyl)methyl]amino]carbonyl]-8-hydroxy-1,6-naphthyridin-5-yl]-N1,N2,N2-trimethyl- (CA INDEX NAME)



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L5 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:308423 CAPLUS
DOCUMENT NUMBER: 140:332510
TITLE: Neurologically active heterocyclic compounds, their preparation, and their therapeutic use
INVENTOR(S): Kok, Gaik Beng; Leung, Brenda Kwan Yi; Gautier, Elisabeth Colette Louise; Barnham, Kevin Jeffrey
PATENT ASSIGNEE(S): Prana Biotechnology Limited, Australia
SOURCE: PCT Int. Appl., 183 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004031161	A1	20040415	WO 2003-AU1303	20031003 <--
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AU 2003265740	A1	20040423	AU 2003-265740	20031003 <--
AU 2003265740	B2	20100204		
EP 1558585	A1	20050803	EP 2003-798831	20031003
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BR 2003015008	A	20050809	BR 2003-15008	20031003
CN 1720238	A	20060111	CN 2003-80105290	20031003
JP 2006508929	T	20060316	JP 2004-540379	20031003
ZA 2005002709	A	20061025	ZA 2005-2709	20031003
NZ 539211	A	20080530	NZ 2003-539211	20031003
EP 2210892	A2	20100728	EP 2010-4952	20031003
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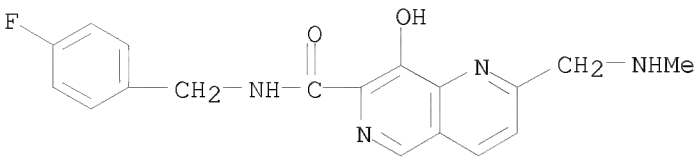
IN 2005KN00785	A	20060609	IN 2005-KN785	20050502
US 20060167000	A1	20060727	US 2005-530137	20051003
US 7692011	B2	20100406		
US 20100160346	A1	20100624	US 2010-717631	20100304

PRIORITY APPLN. INFO.:		
AU 2002-951864	A	20021004
AU 2002-951865	A	20021004
AU 2002-951866	A	20021004
AU 2002-951868	A	20021004
EP 2003-798831	A3	20031003
WO 2003-AU1303	W	20031003
US 2005-530137	A3	20051003

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 140:332510
IT 679797-87-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(neurol. active heterocyclic compds., preparation, and therapeutic use)
RN 679797-87-6 CAPLUS
CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-8-hydroxy-2-[(methylamino)methyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

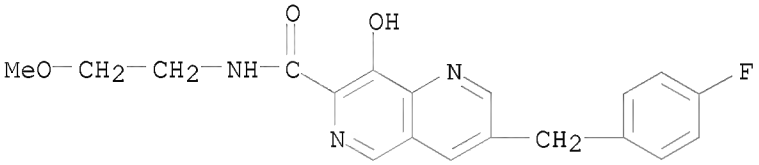
OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)
REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:252486 CAPLUS
DOCUMENT NUMBER: 140:287278
TITLE: Preparation of quinoline and naphthyridine derivatives as HIV integrase inhibitors
INVENTOR(S): Murai, Hitoshi; Endo, Takeshi; Kurose, Noriyuki; Taishi, Teruhiko; Yoshida, Hiroshi
PATENT ASSIGNEE(S): Shionogi & Co., Ltd., Japan
SOURCE: PCT Int. Appl., 396 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004024693	A1	20040325	WO 2003-JP10212	20030811 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003257822	A1	20040430	AU 2003-257822	20030811 <--
EP 1541558	A1	20050615	EP 2003-795216	20030811
EP 1541558	B1	20080813		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 3908248	B2	20070425	JP 2004-571933	20030811
AT 404537	T	20080815	AT 2003-795216	20030811
EP 2045242	A1	20090408	EP 2008-14371	20030811
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR				
US 20060128669	A1	20060615	US 2005-524281	20050210
US 7358249	B2	20080415		
US 20060247212	A1	20061102	US 2006-478218	20060630
US 20090118233	A1	20090507	US 2008-71807	20080226
PRIORITY APPLN. INFO.:			JP 2002-235582 A	20020813
			JP 2002-245772 A	20020826

JP 2003-121726	A	20030425
JP 2003-270863	A	20030704
EP 2003-795216	A3	20030811
WO 2003-JP10212	W	20030811
US 2005-524281	A3	20050210

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 140:287278
IT 675612-36-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of quinoline and naphthyridine derivs. as HIV integrase inhibitors)
RN 675612-36-9 CAPLUS
CN 1,6-Naphthyridine-7-carboxamide, 3-[(4-fluorophenyl)methyl]-8-hydroxy-N-(2-methoxyethyl)- (CA INDEX NAME)



OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:20782 CAPLUS
DOCUMENT NUMBER: 140:62116
TITLE: Method of removal of carbonyl compounds along with acid gases from cracked gas in ethylene process
INVENTOR(S): Subramaniyam, Mahesh
PATENT ASSIGNEE(S): Dorf Ketal Chemicals India Pvt. Ltd., India
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004003110	A1	20040108	WO 2002-IN195	20020930 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002348713	A1	20040119	AU 2002-348713	20020930 <--
BR 2002015793	A	20050301	BR 2002-15793	20020930
EP 1517978	A1	20050330	EP 2002-781738	20020930
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

CN 1639299	A	20050713	CN 2002-829318	20020930
CN 100457858	C	20090204		
JP 2005530903	T	20051013	JP 2004-517186	20020930
JP 4170984	B2	20081022		
ZA 2004010271	A	20060628	ZA 2004-10271	20041221
IN 2004MN00749	A	20060106	IN 2004-MN749	20041222
IN 210343	A1	20081024		
US 7575669	B2	20090818	US 2004-21389	20041223
US 20050224394	A1	20051013		

PRIORITY APPLN. INFO.: US 2002-391717P P 20020626
WO 2002-IN195 W 20020930

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

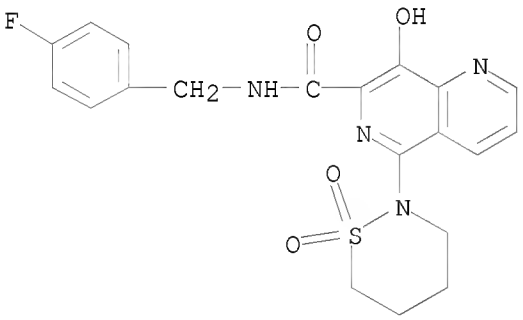
IT 411233-43-7
RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
(method of removal of carbonyl compds. along with acid gases from cracked gas in ethylene process)

RN 411233-43-7 CAPLUS

CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)-, compd. with ethanol (1:1) (CA INDEX NAME)

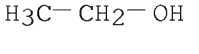
CM 1

CRN 410544-95-5
CMF C20 H19 F N4 O4 S



CM 2

CRN 64-17-5
CMF C2 H6 O



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:836794 CAPLUS
DOCUMENT NUMBER: 139:341742
TITLE: Pharmaceutical compositions containing an HIV integrase inhibitor and a nonionic surfactant

INVENTOR(S): Robertson, Sandra; Cruanes, Maria T.; Karaborni, Sami; Ostovic, Drazen; Fu, Xi-yong; Kamali, Ashkan; Panmai, Santipharp; Plank, Russell V.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 94 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

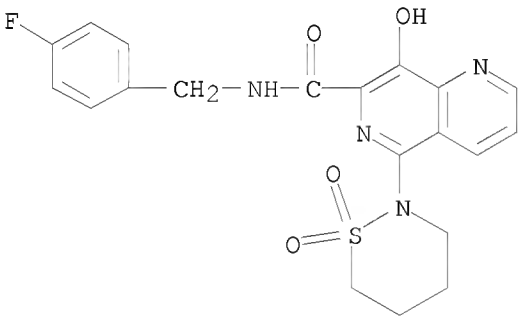
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003086319	A2	20031023	WO 2003-US7517	20030313 <--
WO 2003086319	A3	20040805		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003220186	A1	20031027	AU 2003-220186	20030313 <--
EP 1499391	A2	20050126	EP 2003-716482	20030313
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20050165000	A1	20050728	US 2004-509213	20040924

PRIORITY APPLN. INFO.: US 2002-371296P P 20020410
WO 2003-US7517 W 20030313

OTHER SOURCE(S): MARPAT 139:341742

IT 410544-95-5P
RL: PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oral compns. containing HIV integrase inhibitor and nonionic surfactant)

RN 410544-95-5 CAPLUS
CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)- (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:757475 CAPLUS

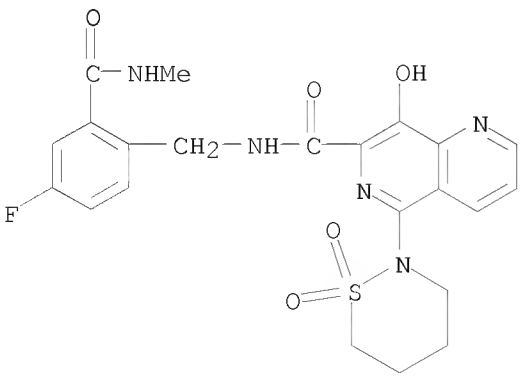
DOCUMENT NUMBER: 139:276879
TITLE: Preparation of N-(substituted benzyl)-8-hydroxy-1,6-naphthyridine-7-carboxamides useful as HIV integrase inhibitors for treatment of HIV infection/AIDS
INVENTOR(S): Egbertson, Melissa; Langford, H. Marie; Melamed, Jeffrey Y.; Wai, John S.; Han, Wei; Perlow, Debbie S.; Zhuang, Linghang; Embrey, Mark; Young, Steven D.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 217 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003077857	A2	20030925	WO 2003-US7671	20030312 <--
WO 2003077857	A3	20060608		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003218130	A1	20030929	AU 2003-218130	20030312 <--
AT 409187	T	20081015	AT 2003-716466	20030312
PRIORITY APPLN. INFO.:			US 2002-364929P P	20020315
			WO 2003-US7671 W	20030312

OTHER SOURCE(S): MARPAT 139:276879

IT 606080-42-6P, N-[4-Fluoro-2-[(methylamino)carbonyl]benzyl]-5-(1,1-dioxido-1,2-thiazinan-2-yl)-8-hydroxy-1,6-naphthyridine-7-carboxamide
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(HIV integrase inhibitor; preparation of naphthyridinecarboxamides as HIV integrase inhibitors via acylation)

RN 606080-42-6 CAPLUS
CN 1,6-Naphthyridine-7-carboxamide, N-[[4-fluoro-2-[(methylamino)carbonyl]phenyl]methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)- (CA INDEX NAME)



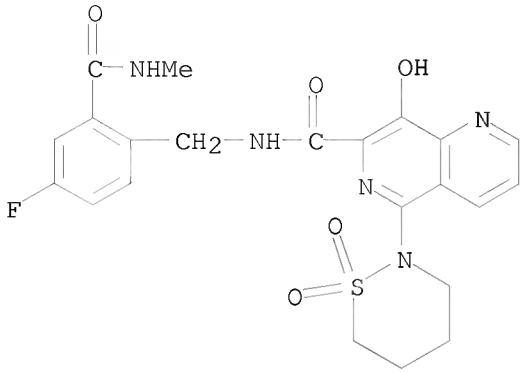
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:757471 CAPLUS
DOCUMENT NUMBER: 139:276878
TITLE: Preparation of N-(substituted benzyl)-8-hydroxy-1,6-naphthyridine-7-carboxamides useful as HIV integrase inhibitors for treatment of HIV infection/AIDS
INVENTOR(S): Egbertson, Melissa; Langford, H. Marie; Melamed, Jeffrey Y.; Wai, John S.; Han, Wei; Perlow, Debbie S.; Zhuang, Linghang; Embrey, Mark
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 114 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003077850	A2	20030925	WO 2003-US7448	20030312 <--
WO 2003077850	A3	20041111		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2478310	A1	20030925	CA 2003-2478310	20030312 <--
AU 2003220170	A1	20030929	AU 2003-220170	20030312 <--
AU 2003220170	B2	20081211		
EP 1496836	A2	20050119	EP 2003-716466	20030312
EP 1496836	B1	20080924		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005527521	T	20050915	JP 2003-575904	20030312
JP 4494020	B2	20100630		
AT 409187	T	20081015	AT 2003-716466	20030312
US 20050176955	A1	20050811	US 2004-508094	20040915
US 7323460	B2	20080129		

PRIORITY APPLN. INFO.: US 2002-364929P P 20020315
WO 2003-US7448 W 20030312
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 139:276878
IT 606080-42-6P, N-[4-Fluoro-2-[(methylamino)carbonyl]benzyl]-5-(1,1-dioxido-1,2-thiazinan-2-yl)-8-hydroxy-1,6-naphthyridine-7-carboxamide
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(HIV integrase inhibitor; preparation of naphthyridinecarboxamides as HIV integrase inhibitors via acylation)
RN 606080-42-6 CAPLUS

CN 1,6-Naphthyridine-7-carboxamide, N-[[4-fluoro-2-[(methylamino)carbonyl]phenyl]methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)- (CA INDEX NAME)



OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

L5 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:154434 CAPLUS
DOCUMENT NUMBER: 138:205068
TITLE: Process for the preparation of a Na salt of a 5-(dioxidothiazinanyl)naphthyridine-7-carboxamide HIV integrase inhibitor
INVENTOR(S): Anthony, Neville J.; Xu, Wei; Lepore, John V.; Mahajan, Amar J.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003016315	A1	20030227	WO 2002-US25675	20020813 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2456206	A1	20030227	CA 2002-2456206	20020813 <--
AU 2002332521	A1	20030303	AU 2002-332521	20020813 <--
EP 1430058	A1	20040623	EP 2002-794880	20020813 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005501857	T	20050120	JP 2003-521237	20020813
US 20030119823	A1	20030626	US 2002-218537	20020814 <--
US 6924282	B2	20050802		

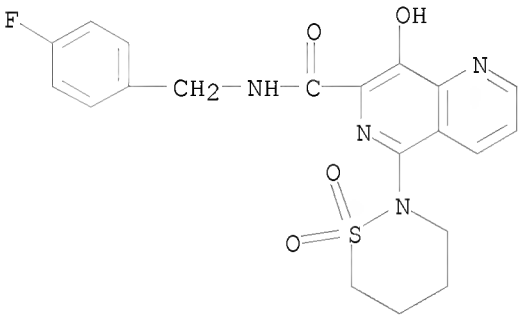
PRIORITY APPLN. INFO.: US 2001-313373P P 20010817
WO 2002-US25675 W 20020813

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

IT 410545-86-7P, 5-(1,1-Dioxido-1,2-thiazinan-2-yl)-N-(4-fluorobenzyl)-8-hydroxy-1,6-naphthyridine-7-carboxamide sodium salt
RL: IMF (Industrial manufacture); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(HIV integrase inhibitor; preparation of the Na of a (dioxidothiazinanyl)naphthyridinecarboxamide HIV integrase inhibitor for treatment of AIDS)

RN 410545-86-7 CAPLUS

CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)-, sodium salt (1:1) (CA INDEX NAME)



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OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:154429 CAPLUS
DOCUMENT NUMBER: 138:205040
TITLE: Process for preparing 5-sulfonamido-8-hydroxy-1,6-naphthyridine-7-carboxamides, useful as HIV integrase inhibitors, by condensation of sulfonamides with 5-halo-8-(protected-hydroxy)naphthyridines in the presence of copper promoters and copper-chelating agents
INVENTOR(S): Maligres, Peter E.; Askin, David
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003016309	A1	20030227	WO 2002-US27151	20020813 <--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

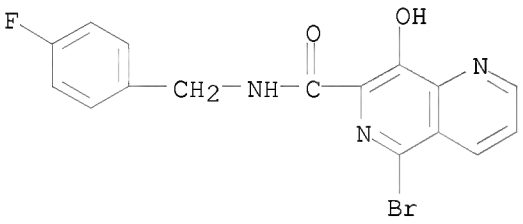
CA 2456155	A1	20030227	CA 2002-2456155	20020813 <--
AU 2002327535	A1	20030303	AU 2002-327535	20020813 <--
EP 1427726	A1	20040616	EP 2002-763531	20020813 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005504770	T	20050217	JP 2003-521232	20020813
US 20050014780	A1	20050120	US 2004-486535	20040210
PRIORITY APPLN. INFO.:			US 2001-313376P	P 20010817
			WO 2002-US27151	W 20020813

OTHER SOURCE(S): CASREACT 138:205040; MARPAT 138:205040

IT 410544-56-8P, 5-Bromo-N-(4-fluorobenzyl)-8-hydroxy-1,6-naphthyridine-7-carboxamide
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of sulfonamidohydroxynaphthyridinecarboxamides via coupling of halo(protected-hydroxy)naphthyridines with sulfonamides and sultams using Cu promoters and chelating agents)

RN 410544-56-8 CAPLUS

CN 1,6-Naphthyridine-7-carboxamide, 5-bromo-N-[(4-fluorophenyl)methyl]-8-hydroxy- (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:154416 CAPLUS

DOCUMENT NUMBER: 138:205067

TITLE: Process for preparing sultams from alkanesulfonyl halides and haloalkylamines via intramolecular dianion alkylation of N-(haloalkyl)alkanesulfonamides, and application to the preparation of naphthyridinecarboxamides useful as HIV integrase inhibitors.

INVENTOR(S): Lee, Jaemoon; Askin, David; Jensen, Mark S.; Zhong, Yong-Li

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

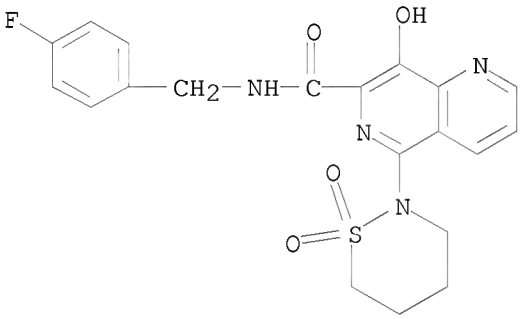
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003016294	A1	20030227	WO 2002-US25666	20020813 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002323127	A1	20030303	AU 2002-323127	20020813 <--
US 20040186093	A1	20040923	US 2004-486526	20040210 <--
PRIORITY APPLN. INFO.:			US 2001-313375P P	20010817
			WO 2002-US25666 W	20020813

OTHER SOURCE(S): CASREACT 138:205067; MARPAT 138:205067

IT 410544-95-5P, 5-(1,1-Dioxido-1,2-thiazinan-2-yl)-N-(4-fluorobenzyl)-8-hydroxy-1,6-naphthyridine-7-carboxamide
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(target drug; preparation of sultams from alkanesulfonyl halides and haloalkylamines via intramol. dianion alkylation of N-(haloalkyl)alkanesulfonamides, and use in preparation of naphthyridinecarboxamide HIV integrase inhibitors)

RN 410544-95-5 CAPLUS

CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:153659 CAPLUS

DOCUMENT NUMBER: 139:300965

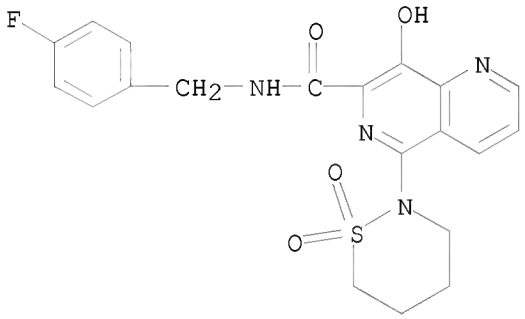
TITLE: Novel aryl diketo-containing inhibitors of HIV-1 integrase

AUTHOR(S): Pais, Godwin C. G.; Burke, Terrence R., Jr.

CORPORATE SOURCE: Laboratory of Medicinal Chemistry, Center for Cancer Research, National Cancer Institute, National Institutes of Health, Frederick, MD, 21702-1201, USA

SOURCE: Drugs of the Future (2002), 27(11),

1101-1111
CODEN: DRFUD4; ISSN: 0377-8282
PUBLISHER: Prous Science
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
IT 410544-95-5P, L 870810
RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and structure-activity relationship of aryl diketo-containing inhibitors of HIV-1 integrase)
RN 410544-95-5 CAPLUS
CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)- (CA INDEX NAME)



OS.CITING REF COUNT: 35 THERE ARE 35 CAPLUS RECORDS THAT CITE THIS RECORD (36 CITINGS)
REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:293653 CAPLUS
DOCUMENT NUMBER: 136:309919
TITLE: Preparation of aza- and polyaza-naphthalenyl carboxamides as HIV integrase inhibitors
INVENTOR(S): Anthony, Neville J.; Gomez, Robert P.; Young, Steven D.; Egbertson, Melissa; Wai, John S.; Zhuang, Linghang; Embrey, Mark; Tran, Lekhanh; Melamed, Jeffrey Y.; Langford, H. Marie; Guare, James P.; Fisher, Thorsten E.; Jolly, Samson M.; Kuo, Michelle S.; Perlow, Debra S.; Bennett, Jennifer J.; Funk, Timothy W.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 97 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

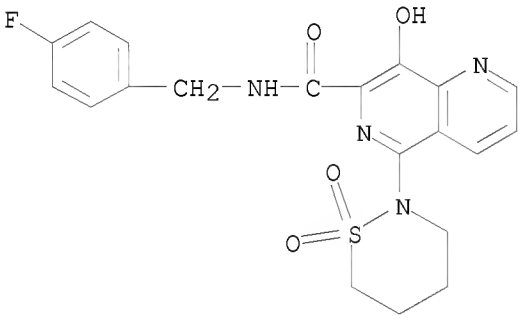
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002030931	A2	20020418	WO 2001-US42564	20011009 <--
WO 2002030931	A3	20021024		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT,

RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2002011874	A	20020422	AU 2002-11874		20011009 <--
EE 2003000145	A	20030616	EE 2003-145		20011009 <--
HU 2003002367	A2	20031128	HU 2003-2367		20011009 <--
JP 2004511483	T	20040415	JP 2002-534317		20011009 <--
JP 4252797	B2	20090408			
NZ 525088	A	20041126	NZ 2001-525088		20011009 <--
BR 2001014610	A	20051213	BR 2001-14610		20011009
US 20030055071	A1	20030320	US 2001-973853		20011010 <--
US 6921759	B2	20050726			
BG 107677	A	20031128	BG 2003-107677		20030326 <--
ZA 2003002616	A	20040715	ZA 2003-2616		20030403 <--
NO 2003001672	A	20030605	NO 2003-1672		20030411 <--
MX 2003003263	A	20030606	MX 2003-3263		20030411 <--
IN 2003CN00702	A	20050415	IN 2003-CN702		20030509
US 20050176718	A1	20050811	US 2005-56412		20050211
PRIORITY APPLN. INFO.:			US 2000-239707P	P	20001012
			US 2001-281656P	P	20010405
			WO 2001-US42564	W	20011009
			US 2001-973853	A3	20011010

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 136:309919
IT 410544-95-5P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug; preparation of aza- and polyaza-naphthalenyl carboxamides as HIV integrase inhibitors)
RN 410544-95-5 CAPLUS
CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-8-hydroxy-5-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)- (CA INDEX NAME)



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

L5 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:293652 CAPLUS
DOCUMENT NUMBER: 136:325531
TITLE: Preparation of (poly)azanaphthalenyl carboxamides as HIV integrase inhibitors
INVENTOR(S): Anthony, Neville J.; Gomez, Robert P.; Young, Steven D.; Egbertson, Melissa; Wai, John S.; Zhuang, Linghang; Embrey, Mark; Tran, Lekhanh; Melamed, Jeffrey Y.; Langford, H. Marie; Guare, James P.;

Fisher, Thorsten E.; Jolly, Samson M.; Kuo, Michelle S.; Perlow, Debra S.; Bennett, Jennifer J.; Funk, Timothy W.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 434 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2002030930	A2	20020418	WO 2001-US31456		20011009 <--
WO 2002030930	A3	20020829			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2425440	A1	20020418	CA 2001-2425440		20011009 <--
CA 2425440	C	20100413			
AU 2002011527	A	20020422	AU 2002-11527		20011009 <--
EP 1326865	A2	20030716	EP 2001-979582		20011009 <--
EP 1326865	B1	20090506			
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AU 2002211527	B2	20060824	AU 2002-211527		20011009
AT 430745	T	20090515	AT 2001-979582		20011009
US 20030055071	A1	20030320	US 2001-973853		20011010 <--
US 6921759	B2	20050726			
ZA 2003002616	A	20040715	ZA 2003-2616		20030403 <--
US 20050176718	A1	20050811	US 2005-56412		20050211
PRIORITY APPLN. INFO.:			US 2000-239707P	P	20001012
			US 2001-281656P	P	20010405
			WO 2001-US31456	W	20011009
			US 2001-973853	A3	20011010

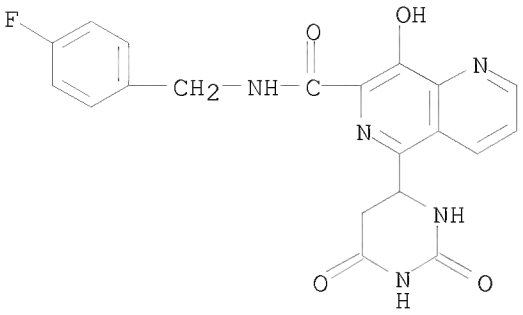
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 136:325531

IT 410544-69-3P, N-(4-Fluorobenzyl)-5-(2,6-dioxohexahydropyrimidin-4-yl)-8-hydroxy[1,6]naphthyridine-7-carboxamide
RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(HIV integrase inhibitor; preparation of (poly)azanaphthalenyl carboxamides as HIV integrase inhibitors for treatment of AIDS)

RN 410544-69-3 CAPLUS

CN 1,6-Naphthyridine-7-carboxamide, N-[(4-fluorophenyl)methyl]-5-(hexahydro-2,6-dioxo-4-pyrimidinyl)-8-hydroxy- (CA INDEX NAME)



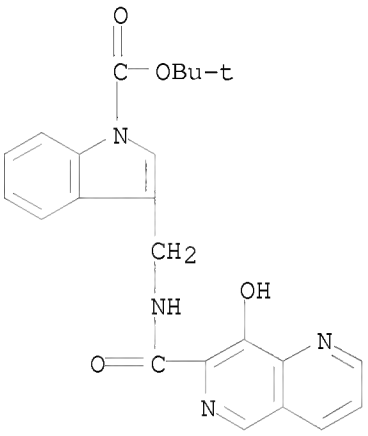
OS.CITING REF COUNT: 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (26 CITINGS)

L5 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:293447 CAPLUS
DOCUMENT NUMBER: 136:325438
TITLE: Preparation of aza- and polyaza-naphthalenyl-carboxamides as HIV integrase inhibitors
INVENTOR(S): Anthony, Neville J.; Gomez, Robert P.; Bennett, Jennifer J.; Young, Steven D.; Egbertson, Melissa; Wai, John S.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 154 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002030426	A1	20020418	WO 2001-US31550	20011009 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2425395	A1	20020418	CA 2001-2425395	20011009 <--
CA 2425395	C	20090602		
AU 2002015328	A	20020422	AU 2002-15328	20011009 <--
EP 1326611	A1	20030716	EP 2001-983939	20011009 <--
EP 1326611	B1	20070613		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004510819	T	20040408	JP 2002-533867	20011009 <--
JP 4287649	B2	20090701		
AU 2002215328	B2	20051117	AU 2002-215328	20011009
AT 364385	T	20070715	AT 2001-983939	20011009
ES 2287170	T3	20071216	ES 2001-983939	20011009
US 20040034221	A1	20040219	US 2003-399083	20030821 <--
US 6919351	B2	20050719		

PRIORITY APPLN. INFO.:			
US 2000-239708P	P	20001012	
WO 2001-US31550	W	20011009	

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 136:325438
IT 412334-28-2P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of aza- and polyaza-naphthalenyl-carboxamides as HIV integrase inhibitors)
RN 412334-28-2 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[[[(8-hydroxy-1,6-naphthyridin-7-yl)carbonyl]amino]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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             8 "NAPTHYRIDINE"
             4 "NAPTHYRIDINES"
            11 "NAPTHYRIDINE"
                ("NAPTHYRIDINE" OR "NAPTHYRIDINES")
         21385 "CARBOXAMIDE"
          5589 "CARBOXAMIDES"
         24342 "CARBOXAMIDE"
                ("CARBOXAMIDE" OR "CARBOXAMIDES")
L6           0 "NAPTHYRIDINE CARBOXAMIDE"
                ("NAPTHYRIDINE"(W)"CARBOXAMIDE")

=> ogoff
OGOFF IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               89.61     282.08

STN INTERNATIONAL LOGOFF AT 13:00:07 ON 23 AUG 2010
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